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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A tool used to hold an array of wafer scale protective caps and place the array onto a semiconductor wafer, the tool comprising:

a first tool half made from a semiconductor that has a coefficient of thermal expansion which is about the same as that of the wafer, the first tool half having surface features which have a converse shape to a part of a shape of the caps, the surface features being configured to mold the caps to have said part of said shape, : and

a second tool half having an upper surface in which grooves are formed, the surface features of the first tool half and the grooves cooperating so as to define mold cavities for the caps.

wherein the converse shape of the surface features is configured to retain the array of molded caps for placement onto the wafer.

- 2. (Original) The tool of claim 1, wherein the first tool half is made from silicon.
- 3. (Currently Amended) The tool of claim 1, wherein the first tool half is adapted to cooperate with a second half, the first tool half and the second half together form a mold for the array.
- 4. (Cancelled)
- 5. (Original) The tool of claim 1, wherein the surface features of the first tool half have a spacing which corresponds to a spacing of the wafer.
- 6. (Previously Presented) The tool of claim 1, wherein the surface features are formed using cryogenic deep silicon etching techniques.
- 7. (Currently Amended) The tool of elaim 3 claim 1, wherein:
 the first tool half has a lower surface in which the surface features are arranged as recesses;

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the second tool half has an upper surface in which surface features having a converse shape to a remaining part of the shape of the caps are arranged, the surface features being configured to mold the caps to have said remaining part of said shape.

8. (Original) The tool of claim 1, wherein:

the first tool half includes first eject holes formed through it;

the holes located in registry with the surface features;

there being provided a first half release wafer from which projects a number of pins;

the pins located in registry with the first holes;

the first tool half having a thickness in the area of the first holes, the pins being longer than the thickness.

9. (Currently Amended) The tool of claim 8, wherein:

the first half release wafer has a first position in which the pins are flush with an interior end of the first holes;

there being a gap between the first tool half and the first half release wafer when the first half release wafer is in the first position.

10. (Currently Amended) The tool of claim 3 claim 8, wherein:

the second tool half includes second holes formed through it;

there being provided a second half release wafer from which projects a number of pins;

the pins located in registry with the second holes;

the second <u>tool</u> half having a thickness in the area of the second holes, the pins being longer than the thickness.

11. (Currently Amended) The tool of claim 10, wherein:

the second half release wafer has a first position in which the pins are flush with an interior end of the second holes;

there being a second gap between the second tool half and the second half release wafer when the second half release wafer is in the first position.

12. (Currently Amended) The tool of claim 11, wherein:

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the second holes are located in registry with grooves formed in an upper surface of the second tool half, the grooves being cap molding features.

- 13. (Original) The tool of claim 1, wherein the first tool half is comprised of a semiconductor that is transparent to infrared light of a wavelength of about 1000 -5000 nm.
- 14. (Currently Amended) The tool of elaim 3 claim 13, wherein the first tool half and second tool half are is comprised of a semiconductor that is transparent to infrared light of a wavelength of about 1000 -5000 nm.
- 15. (Currently Amended) The tool of elaim 3 claim 1, wherein:

the first tool half includes first holes formed through it;

the holes located in registry with the surface features;

there being provided a first half release wafer from which projects a number of pins; the pins located in registry with the first holes;

the first tool half having a thickness in the area of the first holes, the pins being longer than the thickness;

the first half release wafer having a first position in which the pins are flush with an interior end of the first holes;

there being a gap between the first tool half and the first half release wafer when the first half release wafer is in the first position; and

the second tool half includes second holes formed through it;

there being provided a second half release wafer from which projects a number of pins;

the pins located in registry with the second holes;

the second <u>tool</u> half having a thickness in the area of the second holes, the pins being longer than the thickness;

the second half release wafer having a first position in which the pins are flush with an interior end of the second holes;

there being a second gap between the second tool half and the second half release wafer when the second half release wafer is in the first position.

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- 16. (Currently Amended) The tool of claim 15, wherein the first and second tool halves and the first and second half release wafers are comprised of a semiconductor that is transparent to infrared light of a wavelength of about 1000 -5000 nm.
- 17. (Currently Amended) The tool of elaim 3claim 1, wherein:
 the first tool half has first portions which separate adjacent surface features;
 the second tool half has cooperating and opposite second portions;
 the first and second portions coming together when the halves are brought together such that material is squeezed out from between the first and second portions, separating adjacent caps.
- 18. (Currently Amended) The tool of elaim 3 claim 1, wherein:

 the first tool half has first portions which separate adjacent surface features;

 the second tool half has cooperating and opposite second portions;

 the first and second portions coming together when the halves are brought together such that material is left as a thin layer between the first and second portions, the caps thus being formed as an array joined by the thin layer.
- 19. (Original) The tool of claim 1, wherein surface features are formed by electron beam or X-ray lithography.
- 20. (Cancelled)